

INTERNATIONAL SEARCH REPORT

IB2004/002307

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01M17/007 G07C5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G01M G07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 383 593 A (HITACHI LTD) 22 August 1990 (1990-08-22)	1,17,19, 20,22-24
Y	column 2, line 29 - column 4, line 19 column 7, line 9 - column 9, line 19; figures 1-3 column 11, line 25 - column 2, line 21; figure 6 ----- -/-	2,5,6, 10,11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

^a Special categories of cited documents :

- 'A' document defining the general state of the art which is not considered to be of particular relevance
- 'E' earlier document but published on or after the international filing date
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- 'O' document referring to an oral disclosure, use, exhibition or other means
- 'P' document published prior to the international filing date but later than the priority date claimed

- 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the International search	Date of mailing of the International search report
16 November 2004	26/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 330 499 B1 (CHOU PAUL BAO-LUO ET AL) 11 December 2001 (2001-12-11)	1,17,19, 20,22-24
Y	column 1, line 34 - column 2, line 2 column 2, line 30 - line 43; figure 1 column 4, line 2 - column 6, line 38; figure 3 column 7, line 63 - column 8, line 59; figure 4 -----	2,5,6, 10,11
A	EP 1 087 343 A (RENAULT) 28 March 2001 (2001-03-28) column 6, line 15 - column 8, line 44; figures 1,2 -----	1,2,17, 20,23
A	WO 90/09645 A (WARNERDALE LTD) 23 August 1990 (1990-08-23) abstract; figure 1 -----	1,2,17, 20,23
A	PATENT ABSTRACTS OF JAPAN vol. 0113, no. 02 (M-629), 2 October 1987 (1987-10-02) & JP 62 094443 A (NISSAN MOTOR CO LTD), 30 April 1987 (1987-04-30) abstract -----	1,2,17, 20,23
A	EP 0 718 614 A (SEL ALCATEL AG ; ALCATEL NV (NL)) 26 June 1996 (1996-06-26) the whole document -----	1,2,17, 20,23

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